

## S6-GR1P(5-10)K03-NV-ND-AU

# Solis Single Phase Grid-Tied Inverters

### Features:

- New look and easy to operate with Bluetooth App
- 3 MPPT design, suitable for multi-facing roof
- String current up to 20A, applicable for large-current PV panels
- Zero Export control through CT or Meter
- 24-hour Load Consumption Monitoring
- Light weight with compact design for easy installation

### Models:

S6-GR1P5K03-NV-ND-AU / S6-GR1P6K03-NV-ND-AU

S6-GR1P7K03-NV-ND-AU / S6-GR1P8K03-NV-ND-AU

S6-GR1P9K03-NV-ND-AU / S6-GR1P9.9K03-NV-ND-AU

S6-GR1P10K03-NV-ND-AU



## DATASHEET

## S6-GR1P(5-10)K03-NV-ND-AU

Models	5K	6K	7K	8K	9K	9.9K	10K
<b>Input DC</b>							
Recommended max. PV power	7.5 kW	9kW	10.5 kW	12 kW	13.5 kW	15 kW	15 kW
Max. input voltage				550 V			
Rated voltage				330 V			
Start-up voltage				60 V			
MPPT voltage range				50 - 500 V			
Max. input current				20 A / 20 A / 20 A			
Max. short circuit current				25 A / 25 A / 25 A			
MPPT number / Max. input strings number				3 / 3			
<b>Output AC</b>							
Rated output power	5 kW	6 kW	7 kW	8 kW	9 kW	9.9 kW	10 kW
Rated apparent output power	5 kVA	6 kVA	7 kVA	8 kVA	9 kVA	9.9 kVA	10 kVA
Max. apparent output power	5 kVA	6 kVA	7 kVA	8 kVA	9 kVA	9.9 kVA	10 kVA
Max. output power	5 kW	6 kW	7 kW	8 kW	9 kW	9.9 kW	10 kW
Rated grid voltage	1/N/PE, 230 V						
Rated grid frequency	50 Hz						
Rated grid output current	21.7 A	26.1 A	30.4 A	34.8 A	39.1 A	43 A	43.5 A
Max. output current	21.7 A	26.1 A	30.4 A	34.8 A	39.1 A	43 A	43.5 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)						
THDi	< 3%						
<b>Efficiency</b>							
Max. efficiency				98.0%			
EU efficiency				97.1%			
<b>Protection</b>							
DC reverse-polarity protection				Yes			
Short circuit protection				Yes			
Output over current protection				Yes			
Surge protection				Yes			
Grid monitoring				Yes			
Anti-islanding protection				Yes			
Temperature protection				Yes			
Multi peak scan				Yes			
Integrated AFCI 2.0				Optional			
Integrated DC switch				Yes (PV2 Switch)			
<b>General Data</b>							
Dimensions (W × H × D)				335 × 510 × 220 mm			
Weight	16 kg			16.1 kg			
Topology	Transformerless						
Self-consumption (night)	< 1 W						
Operating ambient temperature range	-25 ~ +60°C						
Relative humidity	0 - 100%						
Ingress protection	IP66						
Noise emission (typical)	< 40 dB(A)						
Cooling concept	Natural cooling			Natural cooling with internal fan			
Max. operation altitude	4000 m						
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC60068, IEC 61683, EN 50530						
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4						
<b>Features</b>							
DC connection	MC4 connector						
AC connection	OT Terminal						
Display	LED digital display & Bluetooth + APP						
Communication	RS485, Optional: Wi-Fi, GPRS						
Country of manufacture	China						